December 10, 2012

Mr. Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
901 North 5th Street
Kansas City, KS 66101

Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report

Dear Mr. Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No.VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period September 1, 2012 through September 30, 2012 is enclosed. If you have any questions or comments, please call me at 573-638-5020 or Mark Nations at 573-518-0800.

Sincerely,

Ty L. Morris, P.E., R.G.
Vice President

TLM/jms
Enclosure
c: Mark Nations – TDRC
Matt Wohl – TDRC (electronic only)
Martin Kator – MDNR - DSP
Kathy Rangen – MDNR - HWP
Adam Nanney – Barr Engineering

07WG 40416542 4.2
Superfund
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Federal Mine Tailings Site

Park Hills, Missouri

Monthly Progress Report

Period. September 1, 2012 – September 30, 2012

1. **Actions Performed or Completed This Period:**

   a Work continued on the task of stockpiling rock onsite. This work focused on stockpiling trail rock, Type 1 riprap, and Type 2 riprap These rock types are being stockpiled in the northern portion of the Borrow Area as well as near the shaft rock pile. As of the end of the period, work on this task continued.

   b Work in the ORV Riding Area also continued on the Main Drainage Channel between 100+00 and 80+00, as well as the Apollo Lake Drainage Channel This work focused on rough grading these areas However, due to the wet nature of the material in these areas, the amount of time that work can be conducted on these areas is limited before sand boils appear at the surface. As of the end of the period, these areas had been graded and rocked up to Station 100+00. The area between 100+00 and 80+00 had been rough graded, but some additional grade work was still needed

   c. Work in the ORV Riding Area also continued on the covering of all trails designated by the Missouri Department of Natural Resources – Division of State Parks (MDNR-DSP). On September 3, 2012, additional sampling was completed in the Phase I area of the ORV Area to designate which trails exceed the 600 ppm action level. Once the results of the samples were received, a plan was developed to designate which trails and grids still needed to be covered. As of the end of this period, work on this task has been completed

   Additional sampling is planned for next month to designate which trails and grids are above the 600 ppm lead level in the rest of the ORV Area. Once the sampling is completed, the plan will be developed to show which areas exceed the 600 ppm lead level and need to be covered.

   d. Work on the task of adding additional air monitoring stations into the network of stations continued. This work focused on developing an air monitoring plan, as well as gaining access for the placement of another air monitoring station to the northeast of the Former Mill Area As of the end of the period, work on these tasks continued

2. **Data and Results Received This Period:**

   a. Sample results from the additional sampling completed on September 3, 2012.

3. **Planned Activities for Next Period:**

   a. Work in the ORV Riding Area will continue on the Main Drainage Channel Work in this area will focus on constructing and rocking the portion of this channel between Stations 100+00 and 80+00

   b Work in the ORV Riding Area will continue on the Apollo Lake Drainage Channel. Work in this area will focus on constructing and rocking this channel

   c Work in the ORV Riding Area will continue on the East ORV Drainage Channel. Work in this area will focus on constructing and rocking the portion of this channel between Stations 5+00 and 0+00.

   d. Work in the ORV Riding Area will continue on the task of covering the trails that are part of the trail network with trail rock as well as additional sampling of trails that have not yet been sampled.

   e Work in the ORV Riding Area will continue on the task of covering areas that are not part of the defined trail network with rock or soil.

f. Work will continue on the task of stockpiling trail rock, Type 1 riprap, and Type 2 riprap.

g. The plan to place additional air monitors around the site will be implemented

h. The next MDNR-DSP progress meeting is planned for December 4, 2012.

4. Changes in Personnel:

a. None.

5. Issues or Problems Encountered and the Resolution:

a. None.

End of Monthly Progress Report

September 10, 2012

Ty Morris
Barr Engineering Company
1001 Diamond Ridge
Suite 1100
Jefferson City, MO 65109
TEL: (573) 638-5020
FAX: (573) 638-5001

RE: Federal MTS/25/86-0006 **WorkOrder:** 12090089

Dear Ty Morris:

TEKLAB, INC received 70 samples on 9/5/2012 8:42:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12

This reporting package includes the following:

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12

Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation The reported result is final and includes all dilutions factors

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in the QC Package (provided upon request)

MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system The acceptable recovery range is listed in the QC Package (provided upon request)

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request)

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

B - Analyte detected in associated Method Blank

E - Value above quantitation range

H - Holding times exceeded

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

X - Value exceeds Maximum Contaminant Level

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

Cooler Receipt Temp: 4.6 °C

Per Chris Schulte, change T23GT-3 to T21GT-2. EAH 9/6/12

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc com	Email	kmcclain@teklabinc com	Email	dthompson@teklabinc com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2013	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2013	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2013	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2013	Springfield
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2013	Collinsville
Arkansas	ADEQ	88-0966		3/14/2013	Collinsville
Illinois	IDPH	17584		4/30/2013	Collinsville
Kentucky	UST	0073		5/26/2013	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2013	Collinsville

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-001
Client Sample ID: T27KT
Matrix: SOLID
Collection Date: 09/03/2012 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		**638**	mg/Kg-dry	1	09/06/2012 18:19	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-002
Client Sample ID: T27LT-2
Matrix: SOLID
Collection Date: 09/03/2012 8:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		**612**	mg/Kg-dry	1	09/06/2012 18:25	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-003
Client Sample ID: T25JT
Matrix: SOLID
Collection Date: 09/03/2012 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		**772**	mg/Kg-dry	1	09/06/2012 18:30	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-004
Client Sample ID: T25NT
Matrix: SOLID
Collection Date: 09/03/2012 8:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		**687**	mg/Kg-dry	1	09/06/2012 18:36	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-005
Client Sample ID: T26LT
Matrix: SOLID
Collection Date: 09/03/2012 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		**518**	mg/Kg-dry	1	09/06/2012 18:42	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-006
Client Sample ID: T27MT
Matrix: SOLID
Collection Date: 09/03/2012 8:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		**743**	mg/Kg-dry	1	09/06/2012 18:48	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-007
Client Sample ID: T26KT
Matrix: SOLID
Collection Date: 09/03/2012 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		**469**	mg/Kg-dry	1	09/06/2012 18:54	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-008
Client Sample ID: T26JT
Matrix: SOLID
Collection Date: 09/03/2012 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		**548**	mg/Kg-dry	1	09/06/2012 19:11	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-009
Client Sample ID: T26KT-2
Matrix: SOLID
Collection Date: 09/03/2012 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		**792**	mg/Kg-dry	1	09/06/2012 19:17	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-010
Client Sample ID: T25JT-Depth
Matrix: SOLID
Collection Date: 09/03/2012 9:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.77		**814**	mg/Kg-dry	1	09/06/2012 19:23	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-011
Client Sample ID: T16ET-4 Depth
Matrix: SOLID
Collection Date: 09/03/2012 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		**841**	mg/Kg-dry	1	09/06/2012 19:28	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-012
Client Sample ID: T18FT-3
Matrix: SOLID
Collection Date: 09/03/2012 14:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92	S	**442**	mg/Kg-dry	1	09/06/2012 19:34	81177

MS QC limits for Pb are not applicable due to high sample/spike ratio.

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-013
Client Sample ID: T20FT-2
Matrix: SOLID
Collection Date: 09/03/2012 14:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		**574**	mg/Kg-dry	1	09/06/2012 19:52	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-014
Client Sample ID: T18FT-2
Matrix: SOLID
Collection Date: 09/03/2012 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		**784**	mg/Kg-dry	1	09/06/2012 19:58	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-015
Client Sample ID: G16DT
Matrix: SOLID
Collection Date: 09/03/2012 14:48

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		**496**	mg/Kg-dry	1	09/06/2012 20:03	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-016
Client Sample ID: G16DT Depth
Matrix: SOLID
Collection Date: 09/03/2012 14:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	4.00		**572**	mg/Kg-dry	1	09/06/2012 20:21	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-017
Client Sample ID: T19ET-2
Matrix: SOLID
Collection Date: 09/03/2012 14:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		**622**	mg/Kg-dry	1	09/06/2012 20:27	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-018
Client Sample ID: T20GT-2
Matrix: SOLID
Collection Date: 09/03/2012 14:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85	S	**421**	mg/Kg-dry	1	09/06/2012 20:32	81177

MS QC limits for PB are not applicable due to high sample/spike ratio.

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-019
Client Sample ID: T16ET-3
Matrix: SOLID
Collection Date: 09/03/2012 15:24

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.64		**632**	mg/Kg-dry	1	09/06/2012 20:50	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-020
Client Sample ID: T16ET-2
Matrix: SOLID
Collection Date: 09/03/2012 15:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		**570**	mg/Kg-dry	1	09/06/2012 20:56	81177

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-021
Client Sample ID: T25JT-3
Matrix: SOLID
Collection Date: 09/03/2012 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		**613**	mg/Kg-dry	1	09/06/2012 21:31	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-022
Client Sample ID: T27LT
Matrix: SOLID
Collection Date: 09/03/2012 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		**965**	mg/Kg-dry	1	09/06/2012 21:36	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-023
Client Sample ID: T22ET-Depth
Matrix: SOLID
Collection Date: 09/03/2012 13:32

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85	S	**567**	mg/Kg-dry	1	09/06/2012 21:42	81180

MS QC limits for Pb are not applicable due to high sample/spike ratio.

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-024
Client Sample ID: G25FT
Matrix: SOLID
Collection Date: 09/03/2012 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.70		**686**	mg/Kg-dry	1	09/06/2012 22:00	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-025
Client Sample ID: G22ET
Matrix: SOLID
Collection Date: 09/03/2012 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		**665**	mg/Kg-dry	1	09/06/2012 22:05	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-026
Client Sample ID: T23FT-3
Matrix: SOLID
Collection Date: 09/03/2012 12:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		**896**	mg/Kg-dry	1	09/06/2012 22:11	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-027
Client Sample ID: T24GT-2
Matrix: SOLID
Collection Date: 09/03/2012 12:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.85		**443**	mg/Kg-dry	1	09/06/2012 22:17	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-028
Client Sample ID: G21ET
Matrix: SOLID
Collection Date: 09/03/2012 13:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	3.92		**590**	mg/Kg-dry	1	09/06/2012 22:23	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-029
Client Sample ID: G24FT-MSD
Matrix: SOLID
Collection Date: 09/03/2012 12:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.0	S	**803**	mg/Kg-dry	10	09/07/2012 10:51	81180

MS QC limits for Pb are not applicable due to high sample/spike ratio.

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-030
Client Sample ID: T21GT-3
Matrix: SOLID
Collection Date: 09/03/2012 13:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**672**	mg/Kg-dry	10	09/07/2012 11:08	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-031
Client Sample ID: T23FT-4
Matrix: SOLID
Collection Date: 09/03/2012 12:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**632**	mg/Kg-dry	10	09/07/2012 11:14	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-032
Client Sample ID: T23FT-2
Matrix: SOLID
Collection Date: 09/03/2012 12:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	36.4		**689**	mg/Kg-dry	10	09/07/2012 11:20	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-033
Client Sample ID: T24GT-3
Matrix: SOLID
Collection Date: 09/03/2012 12:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**599**	mg/Kg-dry	10	09/07/2012 11:26	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-034
Client Sample ID: G24FT Depth
Matrix: SOLID
Collection Date: 09/03/2012 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	39.2		**754**	mg/Kg-dry	10	09/07/2012 11:32	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-035
Client Sample ID: G24FT
Matrix: SOLID
Collection Date: 09/03/2012 12:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.0		**856**	mg/Kg-dry	10	09/07/2012 11:38	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-036
Client Sample ID: T21FT-2
Matrix: SOLID
Collection Date: 09/03/2012 13:17

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**694**	mg/Kg-dry	10	09/07/2012 11:58	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-037
Client Sample ID: T21ET-2
Matrix: SOLID
Collection Date: 09/03/2012 13:14

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	40.0		**637**	mg/Kg-dry	10	09/07/2012 12:03	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-038
Client Sample ID: G24FT-Dup
Matrix: SOLID
Collection Date: 09/03/2012 12:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**692**	mg/Kg-dry	10	09/07/2012 12:09	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-039
Client Sample ID: T22IT
Matrix: SOLID
Collection Date: 09/03/2012 12:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.0		**1150**	mg/Kg-dry	10	09/07/2012 12:15	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-040
Client Sample ID: T21GT-2
Matrix: SOLID
Collection Date: 09/03/2012 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**602**	mg/Kg-dry	10	09/07/2012 12:21	81180

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-041
Client Sample ID: T22GF-3
Matrix: SOLID
Collection Date: 09/03/2012 13:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**744**	mg/Kg-dry	10	09/07/2012 12:44	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-042
Client Sample ID: T22ET
Matrix: SOLID
Collection Date: 09/03/2012 13:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**517**	mg/Kg-dry	10	09/07/2012 12:50	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-043
Client Sample ID: T24HT-4
Matrix: SOLID
Collection Date: 09/03/2012 10:47

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	40.0		**846**	mg/Kg-dry	10	09/07/2012 13:09	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-044
Client Sample ID: T25IT-3 Dup
Matrix: SOLID
Collection Date: 09/03/2012 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	39.2		**722**	mg/Kg-dry	10	09/07/2012 13:15	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-045
Client Sample ID: T27FT
Matrix: SOLID
Collection Date: 09/03/2012 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**496**	mg/Kg-dry	10	09/07/2012 13:21	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-046
Client Sample ID: T25IT-4
Matrix: SOLID
Collection Date: 09/03/2012 10:54

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**997**	mg/Kg-dry	10	09/07/2012 13:27	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-047
Client Sample ID: T25IT-3 MSD
Matrix: SOLID
Collection Date: 09/03/2012 11:02

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	39.2	S	**787**	mg/Kg-dry	10	09/07/2012 13:32	81185

MS QC limits for Pb are not applicable due to high sample/spike ratio.

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-048
Client Sample ID: T25IT-5
Matrix: SOLID
Collection Date: 09/03/2012 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	39.2	S	**696**	mg/Kg-dry	10	09/07/2012 13:50	81185

MS QC limits for Pb are not applicable due to high sample/spike ratio.

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-049
Client Sample ID: G25GT
Matrix: SOLID
Collection Date: 09/03/2012 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**657**	mg/Kg-dry	10	09/07/2012 14:21	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-050
Client Sample ID: T25HT-3
Matrix: SOLID
Collection Date: 09/03/2012 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**779**	mg/Kg-dry	10	09/07/2012 14:27	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-051
Client Sample ID: T25HT-2
Matrix: SOLID
Collection Date: 09/03/2012 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**584**	mg/Kg-dry	10	09/07/2012 14:33	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-052
Client Sample ID: G27FT
Matrix: SOLID
Collection Date: 09/03/2012 10:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	39.2		**704**	mg/Kg-dry	10	09/07/2012 14:39	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-053
Client Sample ID: T26HT
Matrix: SOLID
Collection Date: 09/03/2012 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	36.4		**517**	mg/Kg-dry	10	09/07/2012 14:44	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-054
Client Sample ID: T27GT
Matrix: SOLID
Collection Date: 09/03/2012 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**789**	mg/Kg-dry	10	09/07/2012 14:50	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-055
Client Sample ID: T25IT-3
Matrix: SOLID
Collection Date: 09/03/2012 10:58

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.0		**825**	mg/Kg-dry	10	09/07/2012 14:56	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-056
Client Sample ID: T25GT-3
Matrix: SOLID
Collection Date: 09/03/2012 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	40.0		**717**	mg/Kg-dry	10	09/07/2012 15:02	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-057
Client Sample ID: T24HT-3
Matrix: SOLID
Collection Date: 09/03/2012 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	40.0		**741**	mg/Kg-dry	10	09/07/2012 15:08	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-058
Client Sample ID: T25IT-3 Depth
Matrix: SOLID
Collection Date: 09/03/2012 11:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**901**	mg/Kg-dry	10	09/07/2012 15:13	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-059
Client Sample ID: T18ET-2
Matrix: SOLID
Collection Date: 09/03/2012 15:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	39.2		**764**	mg/Kg-dry	10	09/07/2012 15:45	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-060
Client Sample ID: T18FT-4
Matrix: SOLID
Collection Date: 09/03/2012 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**704**	mg/Kg-dry	10	09/07/2012 15:51	81185

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-061
Client Sample ID: T17ET-3
Matrix: SOLID
Collection Date: 09/03/2012 15:29

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	40.0		**679**	mg/Kg-dry	10	09/07/2012 16:20	81188

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-062
Client Sample ID: T20ET
Matrix: SOLID
Collection Date: 09/03/2012 14:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**591**	mg/Kg-dry	10	09/07/2012 16:26	81188

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-063
Client Sample ID: T16ET-4
Matrix: SOLID
Collection Date: 09/03/2012 15:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	36.4		**449**	mg/Kg-dry	10	09/07/2012 16:32	81188

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-064
Client Sample ID: G15DT
Matrix: SOLID
Collection Date: 09/03/2012 15:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**602**	mg/Kg-dry	10	09/07/2012 16:37	81188

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-065
Client Sample ID: T20ET-Depth
Matrix: SOLID
Collection Date: 09/03/2012 14:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**849**	mg/Kg-dry	10	09/08/2012 0:17	81188

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-066
Client Sample ID: T17ET-3 Dup
Matrix: SOLID
Collection Date: 09/03/2012 15:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.0		**704**	mg/Kg-dry	10	09/08/2012 0:23	81188

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-067
Client Sample ID: G16FT
Matrix: SOLID
Collection Date: 09/03/2012 15:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	37.7		**673**	mg/Kg-dry	10	09/08/2012 0:29	81188

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-068
Client Sample ID: G20DT
Matrix: SOLID
Collection Date: 09/03/2012 13:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	38.5		**584**	mg/Kg-dry	10	09/08/2012 0:34	81188

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-069
Client Sample ID: T17ET-3 MSD
Matrix: SOLID
Collection Date: 09/03/2012 15:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	39.2	S	**719**	mg/Kg-dry	10	09/08/2012 0:40	81188

MS QC limits for Pb are not applicable due to high sample/spike ratio.

Client: Barr Engineering Company
Work Order: 12090089
Client Project: Federal MTS/25/86-0006
Report Date: 10-Sep-12
Lab ID: 12090089-070
Client Sample ID: G14DT
Matrix: SOLID
Collection Date: 09/03/2012 15:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3050B, 6010B, METALS BY ICP								
Lead	NELAP	36.4		**617**	mg/Kg-dry	10	09/08/2012 0:58	81188

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
12090089-001	T27KT	Solid	2	09/03/2012 9:15
12090089-002	T27LT-2	Solid	2	09/03/2012 8:35
12090089-003	T25JT	Solid	2	09/03/2012 9:30
12090089-004	T25NT	Solid	2	09/03/2012 8:50
12090089-005	T26LT	Solid	2	09/03/2012 8:40
12090089-006	T27MT	Solid	2	09/03/2012 8:25
12090089-007	T26KT	Solid	2	09/03/2012 9:10
12090089-008	T26JT	Solid	2	09/03/2012 9:40
12090089-009	T26KT-2	Solid	2	09/03/2012 9:20
12090089-010	T25JT-Depth	Solid	2	09/03/2012 9:35
12090089-011	T16ET-4 Depth	Solid	2	09/03/2012 15:15
12090089-012	T18FT-3	Solid	2	09/03/2012 14:14
12090089-013	T20FT-2	Solid	2	09/03/2012 14:26
12090089-014	T18FT-2	Solid	2	09/03/2012 14:10
12090089-015	G16DT	Solid	2	09/03/2012 14:48
12090089-016	G16DT Depth	Solid	2	09/03/2012 14:50
12090089-017	T19ET-2	Solid	2	09/03/2012 14:29
12090089-018	T20GT-2	Solid	2	09/03/2012 14:21
12090089-019	T16ET-3	Solid	2	09/03/2012 15:24
12090089-020	T16ET-2	Solid	2	09/03/2012 15:20
12090089-021	T25JT-3	Solid	2	09/03/2012 9:25
12090089-022	T27LT	Solid	2	09/03/2012 8:30
12090089-023	T22ET-Depth	Solid	2	09/03/2012 13:32
12090089-024	G25FT	Solid	2	09/03/2012 12:00
12090089-025	G22ET	Solid	2	09/03/2012 13:00
12090089-026	T23FT-3	Solid	2	09/03/2012 12:34
12090089-027	T24GT-2	Solid	2	09/03/2012 12:29
12090089-028	G21ET	Solid	2	09/03/2012 13:05
12090089-029	G24FT-MSD	Solid	2	09/03/2012 12:12
12090089-030	T21GT-3	Solid	2	09/03/2012 13:22
12090089-031	T23FT-4	Solid	2	09/03/2012 12:31
12090089-032	T23FT-2	Solid	2	09/03/2012 12:25
12090089-033	T24GT-3	Solid	2	09/03/2012 12:50
12090089-034	G24FT Depth	Solid	2	09/03/2012 12:15
12090089-035	G24FT	Solid	2	09/03/2012 12:05
12090089-036	T21FT-2	Solid	2	09/03/2012 13:17
12090089-037	T21ET-2	Solid	2	09/03/2012 13:14
12090089-038	G24FT-Dup	Solid	2	09/03/2012 12:10
12090089-039	T22IT	Solid	2	09/03/2012 12:44

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
12090089-040	T21GT-2	Solid	2	09/03/2012 13:20
12090089-041	T22GF-3	Solid	2	09/03/2012 13:25
12090089-042	T22ET	Solid	2	09/03/2012 13:30
12090089-043	T24HT-4	Solid	2	09/03/2012 10:47
12090089-044	T25IT-3 Dup	Solid	2	09/03/2012 11:00
12090089-045	T27FT	Solid	2	09/03/2012 10:15
12090089-046	T25IT-4	Solid	2	09/03/2012 10:54
12090089-047	T25IT-3 MSD	Solid	2	09/03/2012 11:02
12090089-048	T25IT-5	Solid	2	09/03/2012 10:50
12090089-049	G25GT	Solid	2	09/03/2012 10:30
12090089-050	T25HT-3	Solid	2	09/03/2012 10:35
12090089-051	T25HT-2	Solid	2	09/03/2012 10:40
12090089-052	G27FT	Solid	2	09/03/2012 10:20
12090089-053	T26HT	Solid	2	09/03/2012 10:00
12090089-054	T27GT	Solid	2	09/03/2012 10:10
12090089-055	T25IT-3	Solid	2	09/03/2012 10:58
12090089-056	T25GT-3	Solid	2	09/03/2012 10:25
12090089-057	T24HT-3	Solid	2	09/03/2012 10:45
12090089-058	T25IT-3 Depth	Solid	2	09/03/2012 11:05
12090089-059	T18ET-2	Solid	2	09/03/2012 15:35
12090089-060	T18FT-4	Solid	2	09/03/2012 14:15
12090089-061	T17ET-3	Solid	2	09/03/2012 15:29
12090089-062	T20ET	Solid	2	09/03/2012 14:33
12090089-063	T16ET-4	Solid	2	09/03/2012 15:12
12090089-064	G15DT	Solid	2	09/03/2012 15:50
12090089-065	T20ET-Depth	Solid	2	09/03/2012 14:35
12090089-066	T17ET-3 Dup	Solid	2	09/03/2012 15:30
12090089-067	G16FT	Solid	2	09/03/2012 15:05
12090089-068	G20DT	Solid	2	09/03/2012 13:55
12090089-069	T17ET-3 MSD	Solid	2	09/03/2012 15:31
12090089-070	G14DT	Solid	2	09/03/2012 15:55

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

Sample ID	Client Sample ID / Test Name	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
12090089-001A	T27KT	09/03/2012 9:15	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 18:19
12090089-002A	T27LT-2	09/03/2012 8:35	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 18:25
12090089-003A	T25JT	09/03/2012 9:30	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 18:30
12090089-004A	T25NT	09/03/2012 8:50	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 18:36
12090089-005A	T26LT	09/03/2012 8:40	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 18:42
12090089-006A	T27MT	09/03/2012 8:25	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 18:48
12090089-007A	T26KT	09/03/2012 9:10	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 18:54
12090089-008A	T26JT	09/03/2012 9:40	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 19:11
12090089-009A	T26KT-2	09/03/2012 9:20	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 19:17
12090089-010A	T25JT-Depth	09/03/2012 9:35	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 19:23
12090089-011A	T16ET-4 Depth	09/03/2012 15:15	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 19:28
12090089-012A	T18FT-3	09/03/2012 14:14	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 19:34
12090089-013A	T20FT-2	09/03/2012 14:26	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 19:52
12090089-014A	T18FT-2	09/03/2012 14:10	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 19:58
12090089-015A	G16DT	09/03/2012 14:48	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 20:03
12090089-016A	G16DT Depth	09/03/2012 14:50	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 20:21
12090089-017A	T19ET-2	09/03/2012 14:29	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 20:27
12090089-018A	T20GT-2	09/03/2012 14:21	09/05/2012 8:42		

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 20:32
12090089-019A	T16ET-3	09/03/2012 15:24	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 20:50
12090089-020A	T16ET-2	09/03/2012 15:20	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 14:56	09/06/2012 20:56
12090089-021A	T25JT-3	09/03/2012 9:25	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/06/2012 21:31
12090089-022A	T27LT	09/03/2012 8:30	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/06/2012 21:36
12090089-023A	T22ET-Depth	09/03/2012 13:32	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/06/2012 21:42
12090089-024A	G25FT	09/03/2012 12:00	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/06/2012 22:00
12090089-025A	G22ET	09/03/2012 13:00	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/06/2012 22:05
12090089-026A	T23FT-3	09/03/2012 12:34	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/06/2012 22:11
12090089-027A	T24GT-2	09/03/2012 12:29	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/06/2012 22:17
12090089-028A	G21ET	09/03/2012 13:05	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/06/2012 22:23
12090089-029A	G24FT-MSD	09/03/2012 12:12	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 10:51
12090089-030A	T21GT-3	09/03/2012 13:22	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 11:08
12090089-031A	T23FT-4	09/03/2012 12:31	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 11:14
12090089-032A	T23FT-2	09/03/2012 12:25	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 11:20
12090089-033A	T24GT-3	09/03/2012 12:50	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 11:26
12090089-034A	G24FT Depth	09/03/2012 12:15	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 11:32
12090089-035A	G24FT	09/03/2012 12:05	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 11:38

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

Sample ID	Client Sample ID / Test Name	Collection Date	Received Date	Prep Date/Time	Analysis Date/Time
12090089-036A	T21FT-2	09/03/2012 13:17	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 11:58
12090089-037A	T21ET-2	09/03/2012 13:14	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 12:03
12090089-038A	G24FT-Dup	09/03/2012 12:10	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 12:09
12090089-039A	T22IT	09/03/2012 12:44	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 12:15
12090089-040A	T21GT-2	09/03/2012 13:20	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:04	09/07/2012 12:21
12090089-041A	T22GF-3	09/03/2012 13:25	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 12:44
12090089-042A	T22ET	09/03/2012 13:30	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 12:50
12090089-043A	T24HT-4	09/03/2012 10:47	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 13:09
12090089-044A	T25IT-3 Dup	09/03/2012 11:00	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 13:15
12090089-045A	T27FT	09/03/2012 10:15	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 13:21
12090089-046A	T25IT-4	09/03/2012 10:54	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 13:27
12090089-047A	T25IT-3 MSD	09/03/2012 11:02	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 13:32
12090089-048A	T25IT-5	09/03/2012 10:50	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 13:50
12090089-049A	G25GT	09/03/2012 10:30	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 14:21
12090089-050A	T25HT-3	09/03/2012 10:35	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 14:27
12090089-051A	T25HT-2	09/03/2012 10:40	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 14:33
12090089-052A	G27FT	09/03/2012 10:20	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 14:39
12090089-053A	T26HT	09/03/2012 10:00	09/05/2012 8:42		

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 14:44
12090089-054A	T27GT	09/03/2012 10:10	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 14:50
12090089-055A	T25IT-3	09/03/2012 10:58	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 14:56
12090089-056A	T25GT-3	09/03/2012 10:25	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 15:02
12090089-057A	T24HT-3	09/03/2012 10:45	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 15:08
12090089-058A	T25IT-3 Depth	09/03/2012 11:05	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 15:13
12090089-059A	T18ET-2	09/03/2012 15:35	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 15:45
12090089-060A	T18FT-4	09/03/2012 14:15	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 16:53	09/07/2012 15:51
12090089-061A	T17ET-3	09/03/2012 15:29	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/07/2012 16:20
12090089-062A	T20ET	09/03/2012 14:33	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/07/2012 16:26
12090089-063A	T16ET-4	09/03/2012 15:12	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/07/2012 16:32
12090089-064A	G15DT	09/03/2012 15:50	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/07/2012 16:37
12090089-065A	T20ET-Depth	09/03/2012 14:35	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/08/2012 0:17
12090089-066A	T17ET-3 Dup	09/03/2012 15:30	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/08/2012 0:23
12090089-067A	G16FT	09/03/2012 15:05	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/08/2012 0:29
12090089-068A	G20DT	09/03/2012 13:55	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/08/2012 0:34
12090089-069A	T17ET-3 MSD	09/03/2012 15:31	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/08/2012 0:40
12090089-070A	G14DT	09/03/2012 15:55	09/05/2012 8:42		
	SW-846 3050B, 6010B, Metals by ICP			09/05/2012 17:37	09/08/2012 0:58

Client: Barr Engineering Company

Client Project: Federal MTS/25/86-0006

Work Order: 12090089

Report Date: 10-Sep-12

SW-846 3050B, 6010B, METALS BY ICP

Batch 81177 **SampType:** MBLK Units **mg/Kg-dry**

SampID: MB-81177

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**< 4.00**	4.00	0	0	-100	100	09/06/2012

Batch 81177 **SampType:** LCS Units **mg/Kg-dry**

SampID: LCS-81177

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**52.7**	50.0	0	105.4	85	115	09/06/2012

Batch 81177 **SampType:** MS Units **mg/Kg-dry**

SampID: 12090089-012AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.92	S	**505**	49.0	442.2	128.8	75	125	09/06/2012

Batch 81177 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **20**

SampID: 12090089-012AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	3.92		**486**	49.0	442.2	90.0	505.3	3.84	09/06/2012

Batch 81180 **SampType:** MBLK Units **mg/Kg-dry**

SampID: MB-81180

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**< 4.00**	4.00	0	0	-100	100	09/06/2012

Batch 81180 **SampType:** LCS Units **mg/Kg-dry**

SampID: LCS-81180

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**49.8**	50.0	0	99.5	85	115	09/06/2012

Batch 81180 **SampType:** MS Units **mg/Kg-dry**

SampID: 12090089-023AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.85	S	**657**	48.1	566.8	187.6	75	125	09/06/2012

Batch 81180 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **20**

SampID: 12090089-023AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	3.85	S	**639**	48.1	566.8	149.2	657.0	2.85	09/06/2012

Batch 81180 **SampType:** MS Units **mg/Kg-dry**

SampID: 12090089-029AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	37.0	S	**837**	46.3	803.3	73.6	75	125	09/07/2012

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

SW-846 3050B, 6010B, METALS BY ICP

Batch 81180 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **20**
SampID: 12090089-029AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	37.0	S	**921**	46.3	803.3	255.2	837.4	9.56	09/07/2012

Batch 81185 **SampType:** MBLK Units **mg/Kg-dry**
SampID: MB-81185

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**< 4.00**	4.00	0	0	-100	100	09/07/2012

Batch 81185 **SampType:** LCS Units **mg/Kg-dry**
SampID: LCS-81185

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**51.8**	50.0	0	103.5	85	115	09/07/2012

Batch 81185 **SampType:** MS Units **mg/Kg-dry**
SampID: 12090089-047AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	39.2	S	**874**	49.0	786.9	178.6	75	125	09/07/2012

Batch 81185 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **20**
SampID: 12090089-047AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	39.2	S	**880**	49.0	786.9	190.8	874.4	0.68	09/07/2012

Batch 81185 **SampType:** MS Units **mg/Kg-dry**
SampID: 12090089-048AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.92	S	**84.8**	49.0	696.2	-1247	75	125	09/07/2012

Batch 81185 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **20**
SampID: 12090089-048AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	3.92	S	**83.1**	49.0	696.2	-1251	84.82	2.07	09/07/2012

Batch 81188 **SampType:** MBLK Units **mg/Kg-dry**
SampID: MB-81188

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**< 4.00**	4.00	0	0	-100	100	09/07/2012

Batch 81188 **SampType:** LCS Units **mg/Kg-dry**
SampID: LCS-81188

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**49.0**	50.0	0	97.9	85	115	09/07/2012

Client: Barr Engineering Company

Client Project: Federal MTS/25/86-0006

Work Order: 12090089

Report Date: 10-Sep-12

SW-846 3050B, 6010B, METALS BY ICP

Batch 81188 **SampType:** LCSD Units **mg/Kg-dry** RPD Limit **20**

SampID: LCSD-81188

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	4.00		**49.6**	50.0	0	99.1	48.96	1.22	09/07/2012

Batch 81188 **SampType:** MS Units **mg/Kg-dry**

SampID: 12090089-069AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	39.2	S	**736**	49.0	718.5	35.6	75	125	09/08/2012

Batch 81188 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **20**

SampID: 12090089-069AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	39.2	S	**750**	49.0	718.5	63.2	736.0	1.82	09/08/2012

Batch R167781 **SampType:** MS Units **mg/Kg-dry**

SampID: 12090089-018AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	3.85	S	**437**	48.1	420.6	34.0	75	125	09/06/2012

Batch R167781 **SampType:** MSD Units **mg/Kg-dry** RPD Limit **20**

SampID: 12090089-018AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	3.85	S	**437**	48.1	420.6	34.4	436.9	0.04	09/06/2012

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Barr Engineering Company
Client Project: Federal MTS/25/86-0006

Work Order: 12090089
Report Date: 10-Sep-12

Carrier: FedEx

Received By: SRH

Completed by: Timothy W. Mathis
On: 05-Sep-12

Reviewed by: Michael L. Austin
On: 05-Sep-12

Pages to follow: Chain of custody [7] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	4.6	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐				
Chain of custody signed when relinquished and received?	Yes ☑	No ☐				
Chain of custody agrees with sample labels?	Yes ☑	No ☐				
Samples in proper container/bottle?	Yes ☑	No ☐				
Sample containers intact?	Yes ☑	No ☐				
Sufficient sample volume for indicated test?	Yes ☑	No ☐				
All samples received within holding time?	Yes ☑	No ☐				
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑			
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐				
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.						
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑			
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑			
Water - pH acceptable upon receipt?	Yes ☑	No ☐				
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑			

Any No responses must be detailed below or on the COC.

Custody seal(s) intact on shipping container/cooler. TWM SRH 9/5/12

CHAIN OF CUSTODY

pg. 1 of 7 Work Order # 1209-

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

eiving
d Ridge Ste 1100
ity MO 65109
Phone: 573 638 5020
Fax: 573 638 5001

litigation? If yes, a surcharge will apply. ☐ Yes ☒ No
☐ Yes ☒ No
e met on the requested analysis? If yes, please provide

Samples on: ☒ Ice ☐ Blue Ice ☐ No Ice 4/4 °C
Preserved in: ☐ Lab ☒ Field FOR LAB USE ONLY
Lab Notes:

Comments: Invoice to Mark Watson
Results to Mike Nations & Ty Morris
mnations@doenn.com

Sample Collector's Name: Adam Nanney

Billing Instructions: Doe Run

Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Total Metal (Pb)	One Day TAT
9/3/12 9:15	1										X			X	
8:35															
9:30															
8:50															
8:40															
8:25															
9:10															
9:40															
9:20															
9:35															

	Date / Time	Received By	Date / Time
FedEx	9/4/12 16:30	Stephanie Haynes FED-EX	9/5/12 8:42
		Custody Seal Intact	SRH 9/5/12

alf of client acknowledges that he/she has read and understands the terms and side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

CHAIN OF CUSTODY

pg. 2 of 7 Work Order # 1269089

445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

ering
Ridge Ste 1100
y Mo 65109
Phone: 573 638 5020
Fax: 573 638 5021

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice _____ °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes:

Comments: Results to Ty Morris & Mark Nations
Invoice to Mark Nations
MNations@doerun.com

tigation? If yes, a surcharge will apply. ☐ Yes ☒ No
☐ Yes ☒ No
met on the requested analysis? If yes, please provide

Sample Collector's Name: Adam Vanney

Billing Instructions: Doe Run

Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Total Lead
9/3/12 15:15	1										X			X
14:14														
14:24														
14:10														
14:48														
14:50														
14:29														
14:21														
15:24														
15:20	↓										↓			↓

	Date / Time	Received By	Date / Time
Fed Ex	9/4/12 16:30	Stephanie Haynes	9/5/12 8:42

half of client acknowledges that he/she has read and understands the terms and side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

CHAIN OF CUSTODY

pg. 3 of 7 Work Order # 120900 89

445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

wering
Bldg. Ste 1100
City MO 65109
Phone: 573 638 5020
Fax: 573 638 5001

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice _____ °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes:

Comments: Invoice to Mark Nations
Results to Mark Nations & Ty Morris
mnations@doc-run.com

tigation? If yes, a surcharge will apply. ☐ Yes ☒ No
☐ Yes ☒ No
met on the requested analysis? If yes, please provide

Sample Collector's Name: Adam Nanney

Billing Instructions: Doc Run

Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Total Lead
9/3/12 / 9:25	1										X			X
/ 8:30														
/ 13:32														
/ 12:00														
/ 13:00														
/ 12:34														
/ 12:29														
/ 13:05														
/ 12:12														
/ 13:22														

	Date / Time	Received By	Date / Time
EK	9/4/12 / 16:30	Stephanie Hayes	9/5/12 8:42

half of client acknowledges that he/she has read and understands the terms and side, and that he/she has the authority to sign on behalf of client.

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CHAIN OF CUSTODY

pg. 4 of 7 Work Order # 1209089

445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

...cing
...d Ridge Ste 1100
...City MO 65107
Phone: 573 638 5020
...m Fax: 573 638 5001

...tigation? If yes, a surcharge will apply. ☐ Yes ☒ No
☐ Yes ☒ No
...met on the requested analysis? If yes, please provide

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice ______ °C
Preserved in: ☐ Lab ☐ Field **FOR LAB USE ONLY**
Lab Notes:

Comments: Invoice to Mark Nations
Results to mark Nations & Ty Morris
mnations@doerun.com

Sample Collector's Name: Adam Vanrey

...illing Instructions: ...oc Run

Date/Time Sampled		UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	Total lead
9/3/12	12:31	1										X			X
↓	12:25	↓										↓			↓
↓	12:50	↓										↓			↓
↓	12:15	↓										↓			↓
↓	12:05	↓										↓			↓
↓	1317	↓										↓			↓
↓	1344	↓										↓			↓
↓	12:10	↓										↓			↓
↓	12:44	↓										↓			↓
↓	1320 ~~13:20~~	↓										↓			↓

	Date / Time	Received By	Date / Time
...r	9/4/12 16:30	Stephanie Haynes	9/5/12 8:42

...alf of client acknowledges that he/she has read and understands the terms and ...side, and that he/she has the authority to sign on behalf of client.

WHITE & YELLOW – LAB PINK – SAMPLER'S COPY

CHAIN OF CUSTODY

pg. 5 of 7 Work Order # 12090084

¥45 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

eering
Ridge Ste 1100
ity MO 65109
Phone: 573 638 5020
m Fax: 573 638 5001

tigation? If yes, a surcharge will apply. ☐ Yes ☒ No
☐ Yes ☒ No
met on the requested analysis? If yes, please provide

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice ______ °C
Preserved in: ☐ Lab ☐ Field **FOR LAB USE ONLY**
Lab Notes:

Comments: Results to mark Nations + Ty morris.
Invoice to Mark Nations mnations@doerm

Sample Collector's Name: Adam Wanney

illing Instructions: ...oc Run

Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	Other	Water	Drinking Water	Soil	Sludge	Sp. Waste	Total lead												
9/3/12 / 13:25	1										X			X												
/ 13:30	↓										↓			↓												
/ 10:47																										
/ 11:00																										
/ 10:15																										
/ 10:54																										
/ 11:02																										
/ 10:50																										
/ 10:30																										
↓ / 10:35	↓										↓			↓												

	Date / Time	Received By	Date / Time
c	9/4/12 / 16:30	Stephanie Haynes	9/5/12 8:42

ialf of client acknowledges that he/she has read and understands the terms and side, and that he/she has the authority to sign on behalf of client.

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CHAIN OF CUSTODY

pg. 6 of 7 Work Order # 1209089

445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

ring
Ridge Ste 1100
ty mo 65109
Phone: 573 638 5020
Fax: 573 638 5001

tigation? If yes, a surcharge will apply. ☐ Yes ☒ No
☐ Yes ☒ No
met on the requested analysis? If yes, please provide

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice _____ °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes:

Comments: Invoice to Mark Nations
Results to Mark Nations & Ty Morris
mnations@docrun.com

Sample Collector's Name: Adam Nanney

illing Instructions: Doc Run

Date/Time Sampled	# and Type of Containers: UNPRES	HNO_3	NaOH	H_2SO_4	HCL	MeOH	$NaHSO_4$	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Total Lead
9/3/12 / 10:40	1										X			X
/ 10:20	↓										↓			↓
/ 10:00														
/ 10:10														
/ 10:58														
/ 10:25														
/ 10:45														
/ 11:05														
/ 15:35														
↓ / 14:15														

	Date / Time	Received By	Date / Time
Ex	9/4/12 / 16:30	Stephanie Haynes	9/5/12 8:42

alf of client acknowledges that he/she has read and understands the terms and side, and that he/she has the authority to sign on behalf of client.

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CHAIN OF CUSTODY

pg. 7 of 7 Work Order # 1209089

145 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618) 344-1004 ~ Fax: (618) 344-1005

ring
d Ridge Ste 1100
City MO 65109
Phone: 573 638 5020
Fax: 573 638 5001

tigation? If yes, a surcharge will apply. ☐ Yes ☒ No
☐ Yes ☒ No
met on the requested analysis? If yes, please provide

Samples on: ☐ Ice ☐ Blue Ice ☐ No Ice _____ °C
Preserved in: ☐ Lab ☐ Field FOR LAB USE ONLY
Lab Notes:

Comments: Invoice to Mark Nations
Results to Mark Nations & Tymon2.
MNations@docrun.com

Sample Collector's Name: Adam Varney

illing Instructions: Doc Run

Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	Other	MATRIX: Water	Drinking Water	Soil	Sludge	Sp. Waste	INDICATE ANALYSIS REQUESTED: Total Lead
9/3/12 / 15:29	1										X			X
/ 14:33														
/ 15:12														
/ 15:50														
/ 14:35														
/ 15:30														
/ 15:05														
/ 13:55														
/ 15:31														
/ 15:55														

	Date / Time	Received By	Date / Time
ia FedEx	9/4/12 / 16:30	Stephanie Haynes	9/5/12 8:42

alf of client acknowledges that he/she has read and understands the terms and side, and that he/she has the authority to sign on behalf of client.

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